

**Michael S. Silver, Architect**

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*education*

**1991**            **Columbia University**  
New York, NY (Masters of Architecture and Building Design)

Design Thesis: Urban Drawing Machine  
Thesis Advisor: Stan Allen.

Core Studio Critics: Stan Allen, Diana Agrest, Maxamilliano Fuksas.  
Summer Studio Critics, Bill McDonald and Hani Rashid.

**1987**            **Pratt Institute**  
New York, NY (Bachelor of Arts in Architecture)

Design Thesis: Brooklyn Trilogy  
Thesis Advisors: Raimund Abraham and Gamal El-Zoghby

*work experience*

**1995-2006**    **Mike Silver, Architects** - Independent Practice  
New York

Alamgir Office Block, Dhaka Bangladesh, Project Architect. A cellular automaton masonry construction program was used to design the project. 2007.

San Jose Museum of Art and Design Competition, Project Architect. A cellular automaton masonry construction program was used to design the project. 2003.

Baptistry of Mont Saint Michel, Normandy, France, Project Architect. A computational fluid dynamics simulation run on a supercomputer was used to create functional landscapes. Project Associate, William Deitz, Flow Analysis Inc. 2003.

Berkeley Archives Project, Yale University, Project Architect. A proposed addition to Berkeley College was designed using L.I.D.A.R. (Light Detection and Ranging) scans of the surrounding context. 2003.

Pentagon Memorial Competition, Washington, D.C., Project Architect, 2003.

Portrait Chair Project, Project Designer. A Moiré Phase Shifting 3D optical scanner was used to design furniture that precisely fit the body of individual clients. Technical consulting by Inspec Inc. 2001.  
Liquid Crystal Glass House Project with programmable web-based interface, Santa Monica California, Project Architect, 1999.  
Drowning Bridges, Arsenal Canal, Venice Italy, Project Architect, 1998.  
Holocaust Memorial Project, Albuquerque, NM, Project Architect, 1997.  
Columbarium Project Brooklyn, NY, Project Architect, 1993.

**1995-2003 Research/Design Collective (Web Design)**

LCG House Web Site ([www.vrglass.net](http://www.vrglass.net)), Project Architect. Cellular automaton programming by Harlan Brothers, Web scripting by Yee-Peng Chia and project consulting by Prof. Benoit Mandelbrot, 2003.  
VRML Scripting Interface for LCG House (offline since 2002).

**2000-2001 I.M Pei and Partners**

New York, NY.

Rapid prototypes, and digital models for a proposed extension to the Everson Museum of Art, Syracuse, New York, 2001.

**1996-2000 Arnell Group (Product Design)**

New York, NY.

Iceberg Jeans perfume bottle designs, Project Designer, 1999.  
Iceberg Jeans Boutique, Paris, France, Project Architect, 1999.

**1992-1993 Reiser+ Umemoto**

New York, NY.

RAAUM Croton Aquaduct Project 1992, Installation for Ben Nicholson at The NIAE exhibit, New York, 1993. Venice Gate competition, Venice, Italy, 1993. Facade Writing: A Dogs View of Television, drawings and photography for Semio-text(e) Architecture, Jesse Reiser, 1993.

**1992-1995 Stan Allen Architect**

New York, NY.

KOMA Project Competition, Los Angeles, California, 1993.  
Drawing Table, construction of exhibited work for Stan Allen, Columbia University's Mini-Series, Between the Lines, Buell Hall, New York, 1990.

**1984-1987 Skidmore, Owings and Merrill**

New York, NY.

The New Madison Square Garden, New York, NY, 1987.

Office Tower for the Greenhut/Rockefeller Development Corp, New York, 1996.

CMB Littledown Bank in England, 1995.

The Columbia Presbyterian Hospital, New York, NY, 1993.

*teaching experience*

**2004-2007 Adjunct Professor of Architecture**  
Pratt Institute, School of Architecture,  
Brooklyn, NY.

Design Studio Instructor, 4<sup>th</sup> Year Undergraduate, 2005

**2003-2004 Visiting Professor of Architecture**  
Harvard University, Graduate School of Design,  
Boston, MA.

Design Studio Instructor, GSD Third Semester Core, 2003

**2001-2004 Assistant Professor of Architecture and Director of Digital Media**  
Yale University, Graduate School of Architecture,  
New Haven, CT.

Full -Time appointment, 2001-2004.

Post Professional Degree, Advanced Design Studio Instructor, with  
Keller Easterling, Fall 2001.

Post Professional Degree Advanced Design Studio, assistant to  
Greg Lynn, Spring 2001.

Digital Construction Seminar, 2002-2004.

Computer Aided Mapping Seminar, 2002-2004.

Architecture and Informatics: Information Theory Seminar, 2003-2004.

Computer Aided Furniture Design Seminar, 2003-2004.

Director of Digital Media, Yale University School of Architecture,  
2001-2002.

**2000-2001 Visiting Professor of Architecture, Le Fevre 29' Fellow**  
Knowlton School of Architecture, Ohio State University,  
Columbus, OH. Thesis Instructor, Digital Foam Cutting (DFC) design  
experiment, Spring, 2001.  
2nd Year Core Design Studio, Fall-Spring, 2000.

**1998-2000 Adjunct Professor of Architecture**  
Parsons School of Architecture,  
New York, NY.

Undergraduate Digital Cartography, Computer Aided Design and  
Robotic Fabrication, Core Studio , 2000.

Undergraduate Digital Cartography, Computer Aided Design and  
Robotic Fabrication, Core Studio, 1999.

**1999-2000 Visiting Professor of Architecture**

Rensselaer Polytechnic Institute,  
Troy, NY.

Digital Mapping and Fabrication, Graduate Seminar, 1999.

**1998-2004 Visiting Professor of Architecture**

Pratt Institute School of Architecture,  
Brooklyn, NY.

First Year Design Studio, 2004

Rapid Prototyping and CNC Milling Undergraduate Seminar, 1998.

Media and Co-Design Instructor 1st Year Studio, 1994-1996.

Student T.A. at Pratt Institute with Professor John Johansen, 1990.

**1998-1998 Visiting Professor of Architecture**

New Jersey Institute of Technology School of Architecture, NJ.

Digital Mapping and CNC Milling Graduate Design Studio, 1998.

**2004-1997 Visiting Critic of Architecture**

MIT School of Architecture, Cambridge, MA.

University of Michigan, School of Architecture, Ann Arbor, MI.

Princeton University, Graduate School of Architecture, Princeton, NJ.

Harvard University, Graduate School of Design, Cambridge, MA.

Columbia University, Graduate School of Architecture, New York, NY.

Yale University, School of Architecture, New Haven, CT.

Ecole Des Beaux Arts, Paris, France.

Pratt Institute School of Architecture, Brooklyn, NY.

Knowlton School of Architecture, OhioState, University, Columbus,  
OH.

Rensselaer Polytechnic Institute, Troy, NY.

Michigan State University School of Architecture, MI.

*conferences / lectures / symposia*

- 2004**      **Fabrications Colloquium:** Digital Media Advisory Committee, Columbia University, School of Architecture, New York, NY.
- 2004**      **NSP Conference: MIT**  
There is No Third Wave, September 23, 2004. MIT School of Architecture, Boston, MA.
- 2004**      **Recent Work**  
Lunchtime Lecture, M.I.T. School of Architecture, Boston, MA.
- 2004**      **Automason Ver.1.0**  
Lecture on recent work, Center For Design Informatics, GSD Harvard University School of Architecture, Boston, MA.
- 2004**      **Complexity for Free**  
Lecture on recent work, Pratt Institute School of Architecture, Brooklyn, NY.
- 2002**      **Mapping in the Age of Digital Media: The Yale Symposium**  
Organizer and Lead Moderator, April 5, 2002. Yale University School of Architecture, New Haven, CT.
- 2001**      **Extra-digital: 10 Sites**  
Lecture with Greg Lynn, Ed Michell and Keller Easterling. Yale University School of Architecture, New Haven, CT.
- 2000**      **Computational Fluid Dynamics and Building Design**  
Lecture on Recent Work, Rensselaer Polytechnic Institute, Troy, NY.
- 2000**      **Literal Transparency and The Engines of Logic**  
Lecture on the Liquid Crystal Glass House Project, Knowlton School of Architecture, Ohio State University, Columbus, OH.
- 2000**      **Soft Cartography**  
“Summer Seminar on Architecture and Urban Design” lecture on recent work, Pratt Institute School of Architecture, Brooklyn, NY.
- 2000**      **Images/Matter: From LIDAR to Robotics**  
“Informed Terrain” lecture series, lecturer and program organizer Parsons School of Design, New York, NY.

- 1999**            **Supercomputation**  
NIDC Next Wave Design Competition, Grand Prize Acceptance Speech,  
Nagoya Japan.
- 1998**            **Architecture w/o architecture**  
Lecture at The EAPV Paris, France. 1997.
- 1996**            **Recent Work**  
Lecture at College of Architecture + Urban Planning, University of  
Michigan, 1996.
- 1995**            **Matter in-Formation**  
“Time”, Young Architects Lecture Series, Architecture League of New  
York, NY, 1995.

*publications*

- 2006**      **Programing Cultures**, Edited by Michael Silver, AD Magazine, Wiley/Academy, September, 2006
- 2004**      **Liquid Crystal Glass House Project**, cited in Branko Kolarevic's, "Design and Manufacturing: Material in the Digital Age", from *Evolving Tools* ,Abstract, ACADIA, 2004.
- 2003**      **Metropolis Magazine:** "Book Shelf, New and Notable Books on Architecture", Mapping Book review, August / September, 2003, P.138.
- 2003**      **Mapping in the Age of Digital Media: The Yale Symposium**, Edited by Michael Silver, Assistant editor Diana Balmori, Wiley/Academy, June, 2003.
- 2003**      **Virtual Glass**, (www. vrglass.net), "Liquid Crystal Glass House" Web Site, 2003.
- 2002**      **Body-in-Formation: Towards a Trans-Proportional Ergonomics**, "Portrait Chair Project", Mike Silver, Journal of Architectural Education, Vol. 56, Issue 2, November, 2003, p.44-47.
- 2002**      **Cartography in the Age of Digital Media**, Symposium Review by Brendan Hookway, Constructs Magazine, Yale University School of Architecture, Fall 2002, p.10-11
- 2002**      **DFC: Experiments with New Robotic Construction Technologies at Yale**, Mike Silver, Constructs Magazine, Yale University School of Architecture, Spring 2002, p.23.
- 2001**      **Silver Appointed Head of Digital Media**, Interview with Nina Rapparport, Constructs Magazine, Yale University School of Architecture, Fall 2001, p.17.
- 2002**      **Guns and Architecture**, "Salvage House Prototype", Mike Silver, Thresholds Magazine, MIT Press, 2002.
- 2000**      **Visions of Space: Four Architects Shape the New York Landscape**, by Noit Banai, Interview and Group Profile, NYFA, FYI, Winter 2000, V.15, no.4, p. 4.

- 2000**      **New Flatness**, Edited by Alicia Imperiali, “Moving Glass / Digital Stone”, Mike Silver, Birkhauser Additions, 2000, pp. 54-55.
- 1999**      **Silver Works**, Projects Review, Peggy Deamer, in “Reality:? Virtual Reality: No. 349 ”, A+U Magazine, Vol. 349, pp.102-115.
- 1999**      **The Art of the Accident: Art, Architecture and Media Technology**, “The Torn Glass Curtain”, project with Ammar Eloueini, NAI Publishers/V2\_Organization, 1999, pp.17-19.
- 1999**      **Scanned Body / Metal Curtain**, “Bathhouse Project”, Mike Silver, “Dimensions”, Vol. 13, Journal of the College of Architecture + Urban Planning, University of Michigan, 1999, pp. 198-203.
- 1998**      **Nagoya Design Journal: New Neighbors**, “Drowning Bridges”, Mike Silver, International Design Competition, Nagoya City, Japan, 1998, p. 04-05.
- 1997**      **Introduction: The Wall and The Wall**, Mike Silver, “Generative Morphologies: Form, Content, Thought and Method in Art and Architecture” edited by Robert Bianchini, Pratt Institute school of Architecture, 1997,pp.6-7.
- 1996**      **Pamphlet Architecture: #19- Reading / Drawing / Building**, (MiniGraph) Princeton Architectural Press, 1996.
- 1996**      **Alumni News**, “Reading Room” Project, Newslines, Columbia University School of Architecture, May/Summer, 1996, p.9.
- 1996**      **Time**: Young Architects Competition, Review, Oculus Magazine, 1996.
- 1995**      **Nagoya Design Journal: Next Wave**, “The Reading Room Project”, Mike Silver, International Competition, Nagoya City, Japan, 1998, p. 24.
- 1995**      **A House Divided**, Competition Author and Co-director, Independent Project, 1995.
- 1992**      **On Making**, “Tomb Project”, Mike Silver, Pratt Journal of Architecture, edited by Dan Bucsescu, Volume.III, 1994. Pp. 111-114
- 1988**      **Form Being and Absence**, “The Baptistry of Saint Agnes”, Mike Silver, Pratt Journal of Architecture, Edited By Caleb Crawford and Alan Cohl, Volume. II, 1989.

**1987**      **SOFA Project**, “School for the Fine Arts: Clifty Creek”, Mike Silver, Ubiquitous Magazine, Pratt Institute School of Art, 1985, p.3.

**1985**      **Reflecting Rooms**, “A Project for the Roman Forum”, Minigraph, 1985.

*Exhibitions*

**2007**      **Temporalism Show**, Cornell University School of Architecture, Manhattan Gallery, New York.

**2006**      **Emerging Talents / Emerging Technologies**, Architecture Biennial, Beijing, China.

**2004**      **Metropolis Exhibit**, Automason Ver. 1.0 w PDA Cell Phone. New York, NY.

**2004**      **Armory Show**, Foamfit Series, Leslie+Cohen Gallery, New York.

**2003**      **The New Museum of Contemporary Art**, Zenith Media Lounge, Group Show, LCG House, New York.

**2003**      **San Jose Museum of Art Competition**, Group Show, San Jose, California.

**2003**      **National Building Museum**, Pentagon Memorial Competition Exhibit, Washington, DC.

**2001**      **Foam Work Show**, Ohio State University School of Architecture Gallery, Columbus, Ohio.

**1999**      **Virtual Glass I**, VRML web site for Liquid Crystal Glass House, at Virtualglass.net (requires Cosmo Worlds 2.0 Plug-in) now off line.

**1999**      **Cooper-Hewitt National Design Museum**, A Presentation of Recent Work at the Museum, New York.

**1998**      **Nagoya Design Exhibition**, Grand Prize: “Drowning Bridges”, Group Show, Nagoya, Japan.

**1997**      **Transarchitecture Exhibition** (Group Show) “The Torn Glass Curtain”, project with Ammar Eloueini, Columbia University, New York.

- 1996**      **Albuquerque Holocaust Memorial Exhibition**, Group Show of competition entries, Albuquerque, New Mexico.
- 1995**      **Next Wave Exhibition**, Group Show, “Reading Room Project”, Nagoya Japan.
- 1994**      **Architecture League**, Time: Young Architects Exhibition, Group Show, New York.
- 1990**      **End of the Year Student Show**, Columbia University, Buell Hall, New York.
- 1989**      **Graduate Student Show**, Pratt Institute Gallery, Higgins Hall, Brooklyn, New York.
- 1986**      **SOM Annual Exhibition of Young Architects**, Group Show, New York.
- 1985**      **Architecture Drawing Show**, Doma Gallery Exhibition, New York.

*honors and awards*

- 2006**      **Rafeal Vinoly Research Fellowship**, Research in Advanced CNC Fiber-placement Technology, New York, NY.
- 2004**      **New York State Council on the Arts Grant**, funding for Automason Ver 1.0 w/ PDA/Cell Phone, NYSCA, New York.
- 2004**      **BSA Research Grant**, Boston Society of Architects, Grant to develop Automason Ver. 1.0 w/PDA Cell Phone.
- 2004**      **Sanders Fellowship**, Research in advanced computing, Taubmann Colledge of Architecture and Urban Design, University of Michigan, Ann Arbor, MI.
- 2001**      **Graham Foundation Grant**, Funding for Mapping in the Age of Digital Media.
- 2000**      **LeFevre '29 Fellowship**, Research in advanced computing, Ohio State University School of Architecture, OSU Center for Mapping and ACAD Super Computing Center, Columbus, OH.
- 1998**      **Grand Prize Nagoya Design Competition**, “Drowning Bridge Projects”, Nagoya City, Japan.
- 1998**      **New York Foundation for the Arts**, Fellowship, NYFA Grants program, New York.
- 1996**      **Young Architects Competition**, Architecture League Gallery, Architecture League of New York, NY.
- 1988**      **Full Scholarship**, Pratt Institute Graduate School of Architecture, Brooklyn, NY, 1988.
- 1987**      **AIA Henry Adams Certificate of Achievement**, Pratt Institute School of Architecture, Brooklyn, NY.
- 1987**      **Certificate of Design Excellence**, Pratt Institute School of Architecture, Brooklyn, NY.
- 1987**      **Scholastic Achievement Scholarship**, Pratt Institute School of Architecture, Brooklyn, NY.
- 1982**      **Award for Excellence in the Visual Arts**, Hackely School, Tarrytown, NY